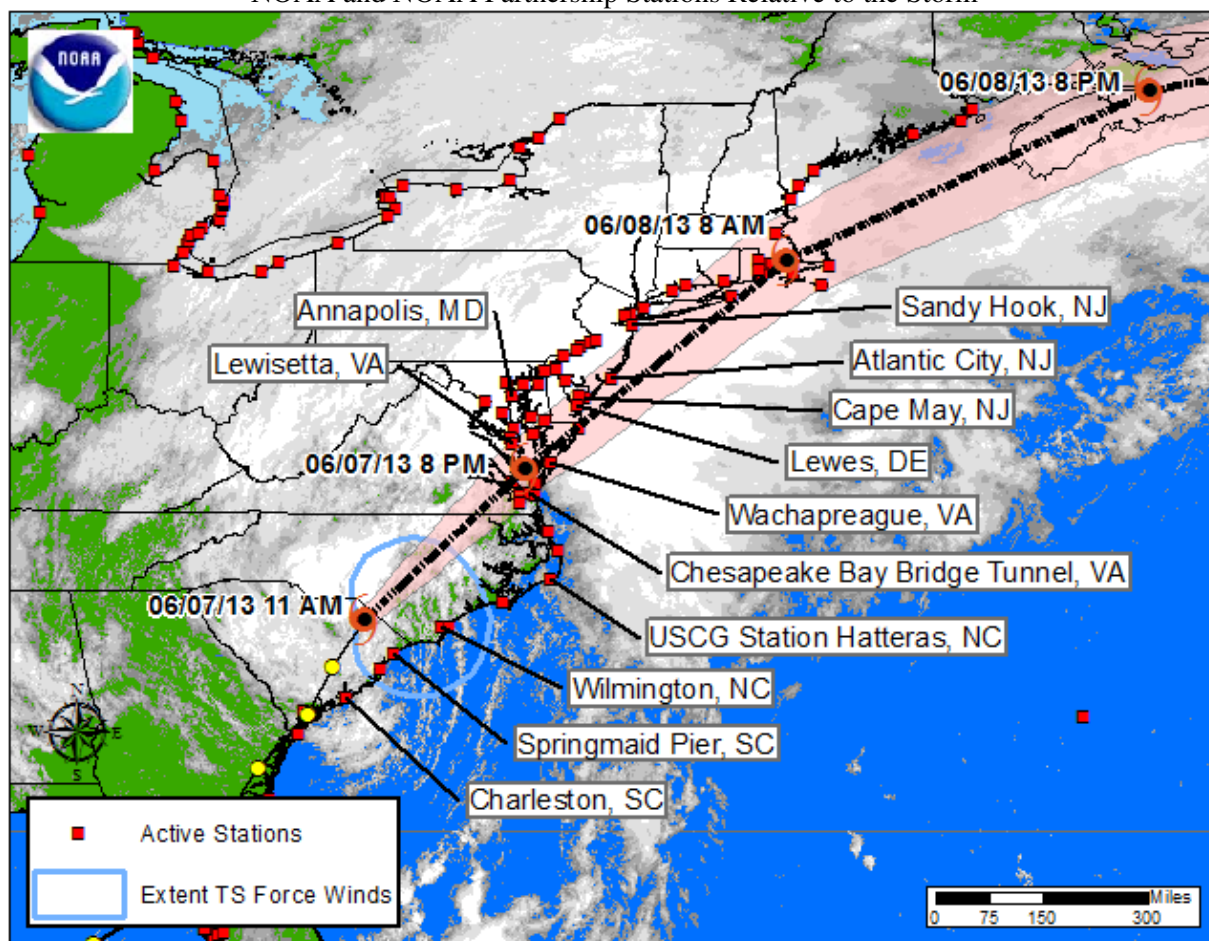




Tropical Storm ANDREA QuickLook  
Posted: 12:00 EDT 06/07/2013

#### NOAA and NOAA Partnership Stations Relative to the Storm



#### Storm Analysis

As of 06/07/2013 12:00 EDT, water levels along the coast of South Carolina are returning to normal. Water levels at most locations along the East Coast from South Carolina to Sandy Hook, NJ, including the Chesapeake Bay, are slightly elevated and range between 0.5 and 2.0 feet above tidal predictions. Winds are increasing along the North Carolina coast and range between 20 and 25 knots, with gusts over 30 knots. Barometric pressure is falling along the East Coast.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur. Water level predictions relative to Mean Lower Low Water are:

Wilmington, NC: Next predicted high tides are 4.8 ft (1.48 m) at 06/07/2013 21:58 EDT and 4.0 ft (1.25 m) at 06/08/2013 10:15 EDT.

Tropical Storm ANDREA QuickLook, POSTED 12:00 EDT 06/07/2013

USCG Station Hatteras, NC: Next predicted high tides are 0.1 ft (0.03 m) at 06/07/2013 21:10 EDT and 0.0 ft (0.01 m) at 06/08/2013 09:14 EDT.

Chesapeake Bay Bridge Tunnel, VA: Next predicted high tides are 2.9 ft (0.89 m) at 06/07/2013 20:34 EDT and 2.3 ft (0.72 m) at 06/08/2013 08:57 EDT.

Lewisetta, VA: Next predicted high tides are 1.3 ft (0.40 m) at 06/07/2013 13:37 EDT and 1.6 ft (0.49 m) at 06/08/2013 02:07 EDT.

Annapolis, MD: Next predicted high tides are 1.0 ft (0.31 m) at 06/07/2013 17:10 EDT and 1.7 ft (0.53 m) at 06/08/2013 06:02 EDT.

Wachapreague, VA: Next predicted high tides are 4.8 ft (1.46 m) at 06/07/2013 20:44 EDT and 3.8 ft (1.18 m) at 06/08/2013 08:56 EDT.

Lewes, DE: Next predicted high tides are 4.8 ft (1.47 m) at 06/07/2013 20:55 EDT and 3.7 ft (1.13 m) at 06/08/2013 09:19 EDT.

Cape May, NJ: Next predicted high tides are 5.6 ft (1.70 m) at 06/07/2013 20:48 EDT and 4.4 ft (1.37 m) at 06/08/2013 09:13 EDT.

Sandy Hook, NJ: Next predicted high tides are 5.5 ft (1.67 m) at 06/07/2013 19:58 EDT and 4.6 ft (1.42 m) at 06/08/2013 08:27 EDT.

Atlantic City, NJ: Next predicted high tides are 4.8 ft (1.45 m) at 06/07/2013 19:41 EDT and 3.7 ft (1.14 m) at 06/08/2013 08:06 EDT.

Charleston, SC: Next predicted high tides are 5.9 ft (1.80 m) at 06/07/2013 20:09 EDT and 4.7 ft (1.46 m) at 06/08/2013 08:31 EDT.

Springmaid Pier, SC: Next predicted high tides are 5.6 ft (1.71 m) at 06/07/2013 19:38 EDT and 4.6 ft (1.41 m) at 06/08/2013 08:04 EDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:TKM

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

WTNT31 KNHC 071452

BULLETIN

TROPICAL STORM ANDREA ADVISORY NUMBER 8

NWS NATIONAL HURRICANE CENTER MIAMI FL AL012013

1100 AM EDT FRI JUN 07 2013

...ANDREA ABOUT TO MOVE INTO NORTH CAROLINA...

## WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY...

THE TROPICAL STORM WARNING HAS BEEN DISCONTINUED SOUTH OF SOUTH SANTEE RIVER SOUTH CAROLINA.

## SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

- \* SOUTH SANTEE RIVER SOUTH CAROLINA TO CAPE CHARLES LIGHT VIRGINIA
- \* PAMLICO AND ALBEMARLE SOUNDS
- \* LOWER CHESAPEAKE BAY SOUTH OF NEW POINT COMFORT

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

## DISCUSSION AND 48-HOUR OUTLOOK

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AT 1100 AM EDT...1500 UTC...THE CENTER OF TROPICAL STORM ANDREA WAS LOCATED NEAR LATITUDE 34.4 NORTH...LONGITUDE 79.5 WEST. ANDREA IS MOVING MORE QUICKLY TOWARD THE NORTHEAST NEAR 28 MPH...44 KM/H... AND THIS GENERAL MOTION WITH AN INCREASE IN FORWARD SPEED IS EXPECTED THROUGH LATE SATURDAY. A TURN TOWARD THE EAST-NORTHEAST SHOULD OCCUR SATURDAY NIGHT.

MAXIMUM SUSTAINED WINDS REMAIN NEAR 45 MPH...75 KM/H...WITH HIGHER GUSTS. LITTLE CHANGE IN STRENGTH IS FORECAST DURING THE NEXT 48 HOURS...BUT ANDREA IS EXPECTED TO LOSE TROPICAL CHARACTERISTICS LATER TODAY.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 160 MILES...260 KM EAST OF THE CENTER. A SUSTAINED WIND OF 46 MPH...74 KM/H...AND A GUST OF 53 MPH...85 KM/H WAS RECENTLY REPORTED AT THE OCEAN CREST PIER ON OAK ISLAND NORTH CAROLINA.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 996 MB...29.41 INCHES.

## HAZARDS AFFECTING LAND

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RAINFALL...ANDREA IS EXPECTED TO PRODUCE TOTAL RAIN ACCUMULATIONS OF 2 TO 4 INCHES FROM CENTRAL AND EASTERN NORTH CAROLINA NORTHEASTWARD ALONG THE EASTERN SEABOARD INTO COASTAL MAINE. ADDITIONAL RAIN TOTALS OF UP TO 2 INCHES ARE EXPECTED OVER PORTIONS OF SOUTH CAROLINA THROUGH THIS MORNING WHICH COULD BRING STORM TOTAL AMOUNTS UP TO 6 INCHES ACROSS THOSE AREAS.

STORM SURGE...THE COMBINATION OF STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING HEIGHTS ABOVE GROUND IF THE

PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

NORTH CAROLINA AND EXTREME SOUTHEASTERN VIRGINIA...1 TO 2 FT

THE DEEPEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST. SURGE-RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES. FOR INFORMATION SPECIFIC TO YOUR AREA...PLEASE SEE PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE OFFICE.

WIND...TROPICAL STORM CONDITIONS WILL CONTINUE TO SPREAD NORTHEASTWARD ALONG THE U.S. EAST COAST WITHIN THE WARNING AREA DURING THE NEXT 12 HOURS OR SO. STRONG WINDS ARE POSSIBLE ELSEWHERE ALONG THE COAST FROM VIRGINIA TO ATLANTIC CANADA THROUGH EARLY SUNDAY.

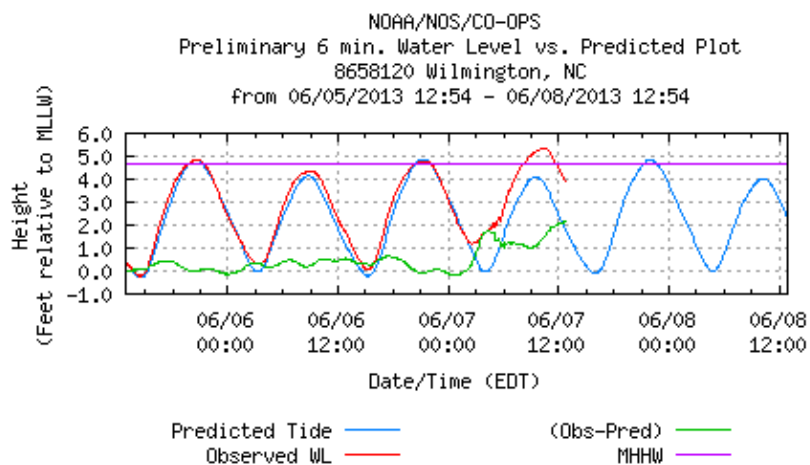
TORNADOES...A FEW TORNADOES ARE POSSIBLE OVER EASTERN PORTIONS OF NORTH CAROLINA AND VIRGINIA TODAY.

FORECASTER BERG/BEVEN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

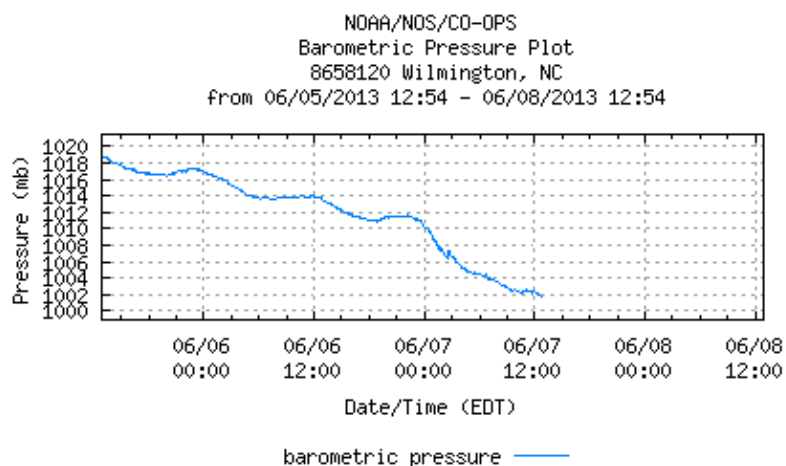
Jump to: [Wilmington - Water Level](#), [Wilmington - Barometric](#), [USCG Station Hatteras - Water Level](#), [USCG Station Hatteras - Winds](#), [USCG Station Hatteras - Barometric](#), [Chesapeake Bay Bridge Tunnel - Water Level](#), [Chesapeake Bay Bridge Tunnel - Winds](#), [Chesapeake Bay Bridge Tunnel - Barometric](#), [Lewisetta - Water Level](#), [Lewisetta - Barometric](#), [Annapolis - Water Level](#), [Annapolis - Barometric](#), [Wachapreague - Water Level](#), [Wachapreague - Winds](#), [Lewes - Water Level](#), [Lewes - Winds](#), [Cape May - Water Level](#), [Cape May - Winds](#), [Sandy Hook - Water Level](#), [Atlantic City - Water Level](#), [Charleston - Water Level](#), [Charleston - Winds](#), [Charleston - Barometric](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Winds](#), [Springmaid Pier - Barometric](#)

Wilmington, NC - Return to List



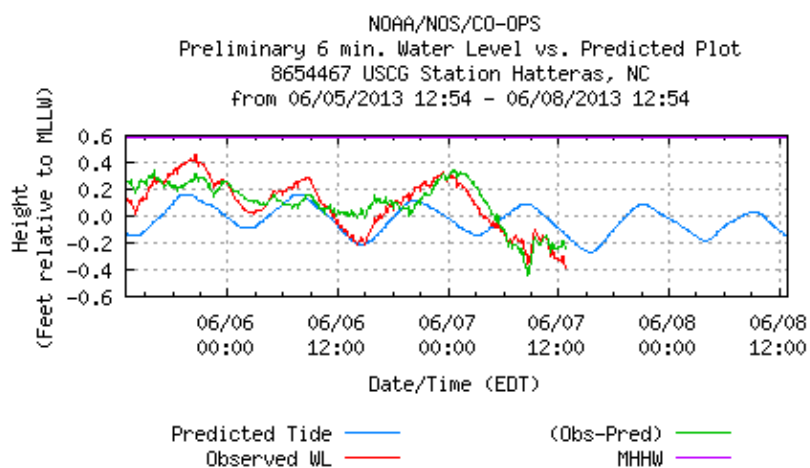
Last Observed Sample: 06/07/2013 12:48 (EDT)  
Relative to MLLW: **Observed: 3.88 ft. Predicted: 1.74 ft. Residual: 2.14 ft.**  
Historical Maximum Water Level: Oct 15 1954, 8.15 ft. above MLLW

Wilmington, NC - Return to List



Last Observed Sample: 06/07/2013 12:48 (EDT)  
**Barometric Pressure: 1001.7 mb**

USCG Station Hatteras, NC - Return to List

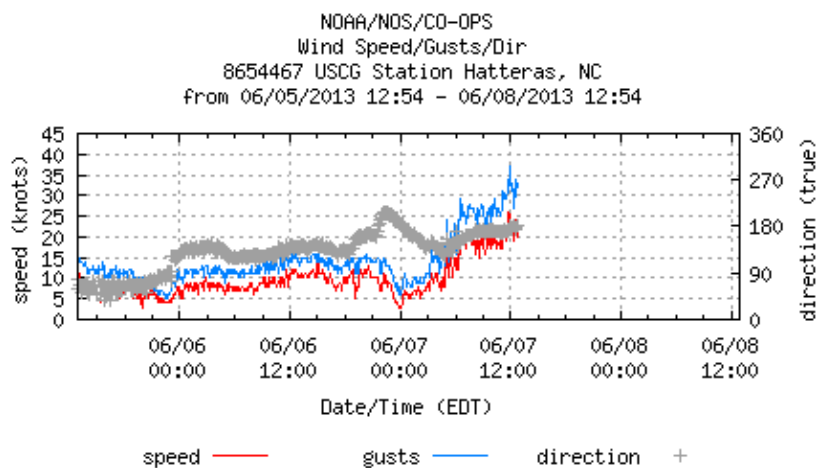


Last Observed Sample: 06/07/2013 12:48 (EDT)

Relative to MLLW: **Observed: -0.40 ft.** **Predicted: -0.14 ft.** **Residual: -0.26 ft.**

Historical Maximum Water Level: Oct 29 2012, 4.73 ft. above MLLW

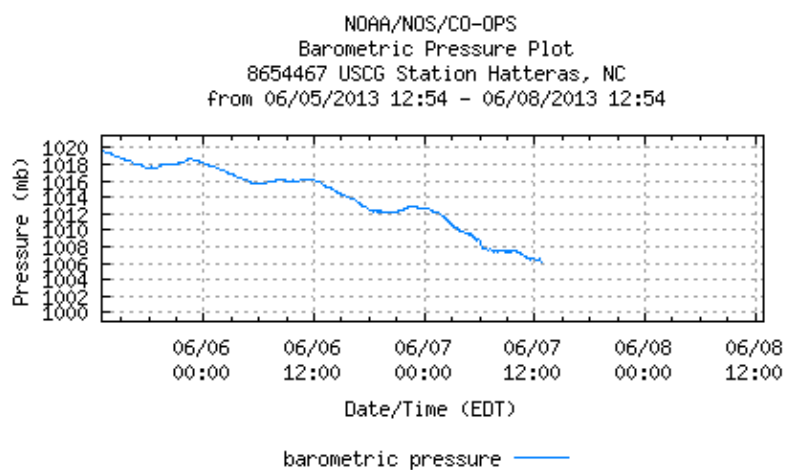
USCG Station Hatteras, NC - Return to List



Last Observed Sample: 06/07/2013 12:48 (EDT)

**Wind Speed: 24 knots** **Gusts: 32 knots** **Direction: 180° T**

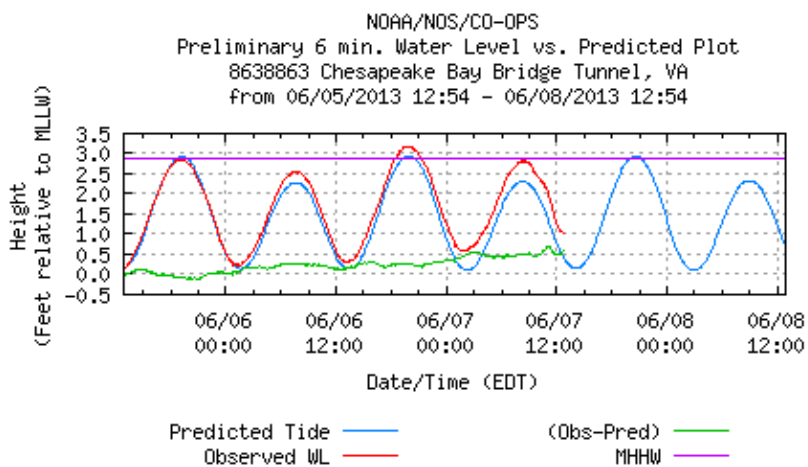
USCG Station Hatteras, NC - Return to List



Last Observed Sample: 06/07/2013 12:48 (EDT)

Barometric Pressure: 1006.1 mb

Chesapeake Bay Bridge Tunnel, VA - Return to List

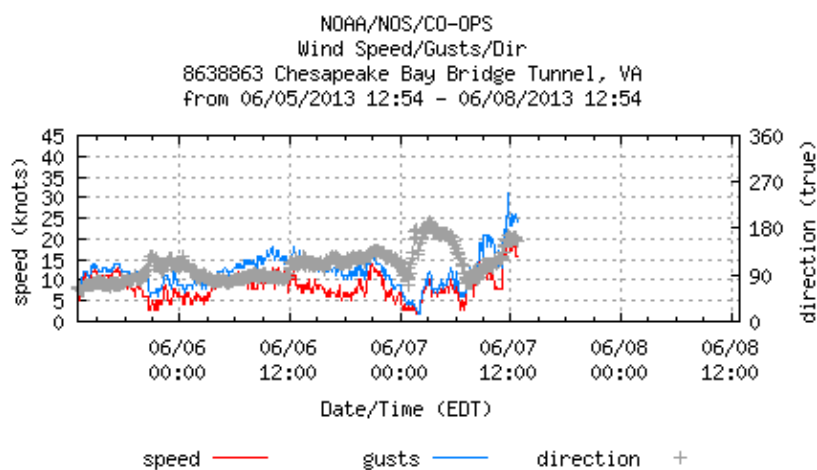


Last Observed Sample: 06/07/2013 12:48 (EDT)

Relative to MLLW: Observed: 1.04 ft. Predicted: 0.40 ft. Residual: 0.64 ft.

Historical Maximum Water Level: Nov 12 2009, 7.56 ft. above MLLW

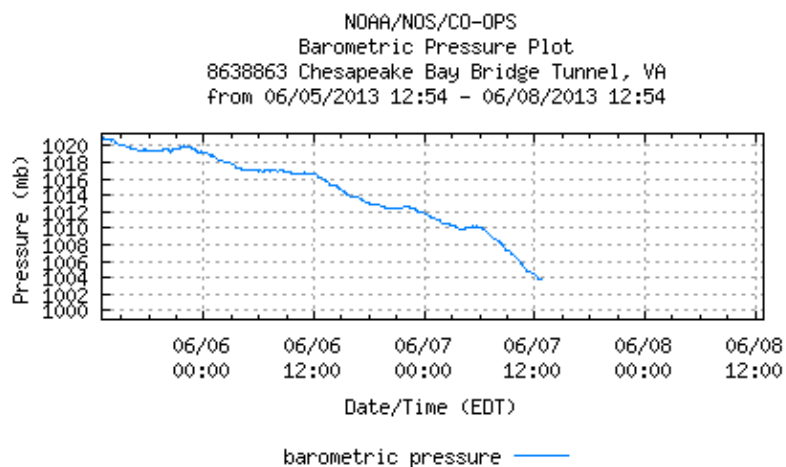
Chesapeake Bay Bridge Tunnel, VA - [Return to List](#)



Last Observed Sample: 06/07/2013 12:48 (EDT)

Wind Speed: 17 knots Gusts: 23 knots Direction: 161° T

Chesapeake Bay Bridge Tunnel, VA - [Return to List](#)

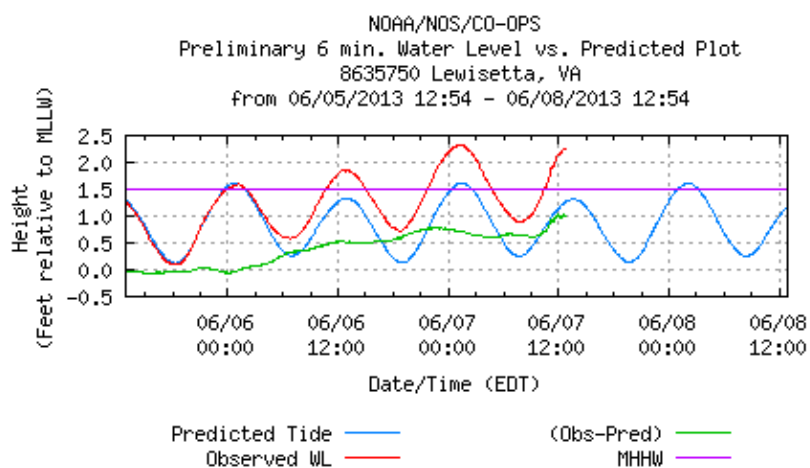


Last Observed Sample: 06/07/2013 12:48 (EDT)

Barometric Pressure: 1003.7 mb



Lewisetta, VA - Return to List

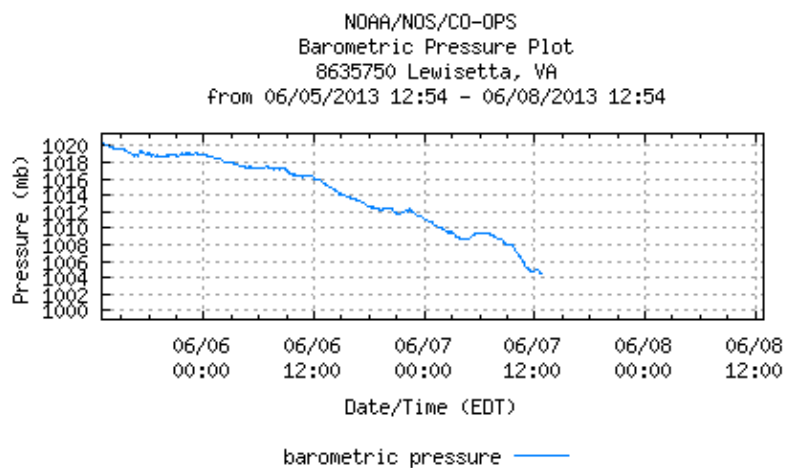


Last Observed Sample: 06/07/2013 12:48 (EDT)

Relative to MLLW: **Observed: 2.22 ft.** **Predicted: 1.27 ft.** **Residual: 0.95 ft.**

Historical Maximum Water Level: Sep 1 2006, 5.65 ft. above MLLW

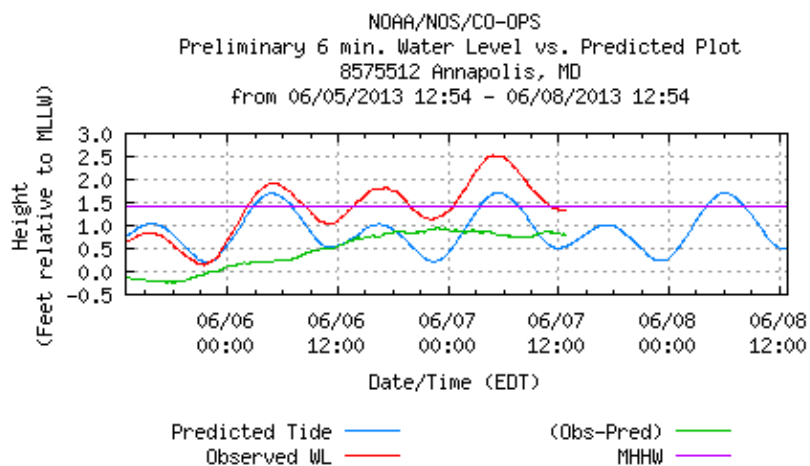
Lewisetta, VA - Return to List



Last Observed Sample: 06/07/2013 12:48 (EDT)

**Barometric Pressure: 1004.6 mb**

[Annapolis, MD - Return to List](#)

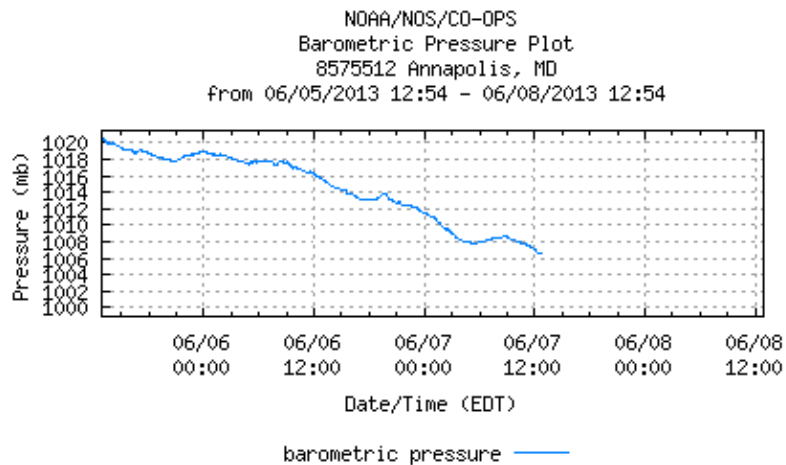


Last Observed Sample: 06/07/2013 12:48 (EDT)

Relative to MLLW: **Observed: 1.35 ft. Predicted: 0.55 ft. Residual: 0.80 ft.**

Historical Maximum Water Level: Sep 19 2003, 7.16 ft. above MLLW

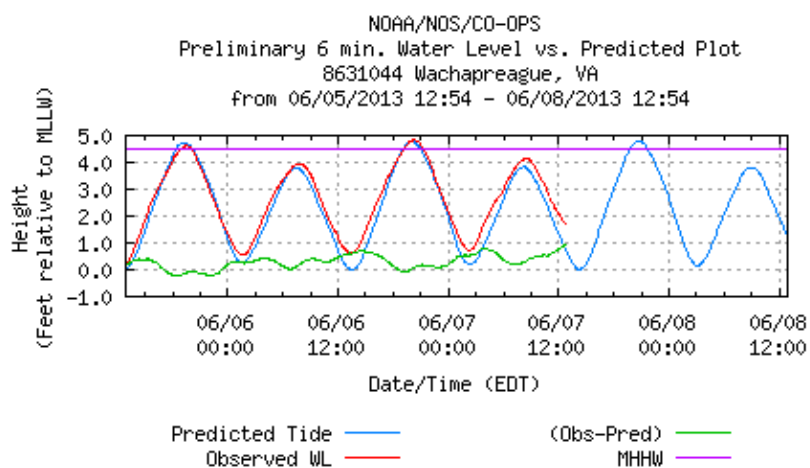
[Annapolis, MD - Return to List](#)



Last Observed Sample: 06/07/2013 12:48 (EDT)

**Barometric Pressure: 1006.6 mb**

Wachapreague, VA - Return to List

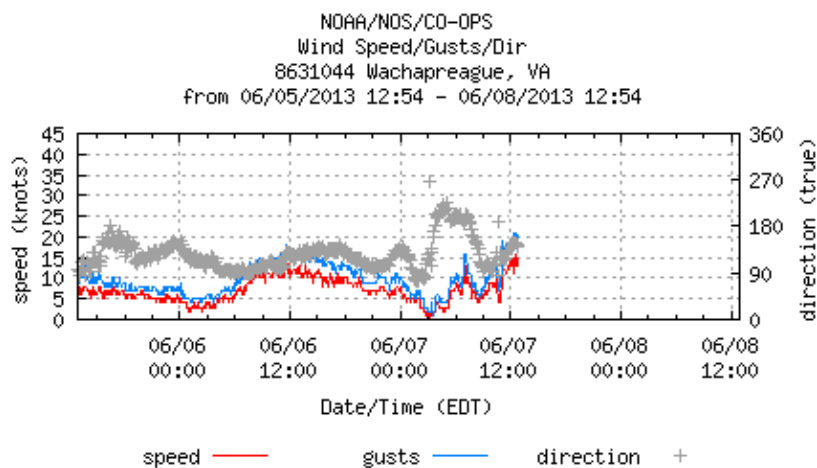


Last Observed Sample: 06/07/2013 12:54 (EDT)

Relative to MLLW: **Observed: 1.63 ft.** **Predicted: 0.69 ft.** **Residual: 0.94 ft.**

Historical Maximum Water Level: Feb 5 1998, 8.92 ft. above MLLW

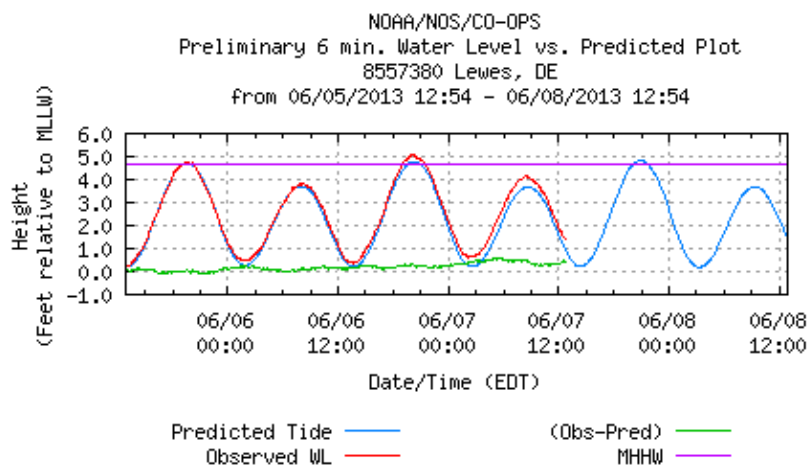
Wachapreague, VA - Return to List



Last Observed Sample: 06/07/2013 12:54 (EDT)

**Wind Speed: 14 knots** **Gusts: 23 knots** **Direction: 152° T**

Lewes, DE - Return to List

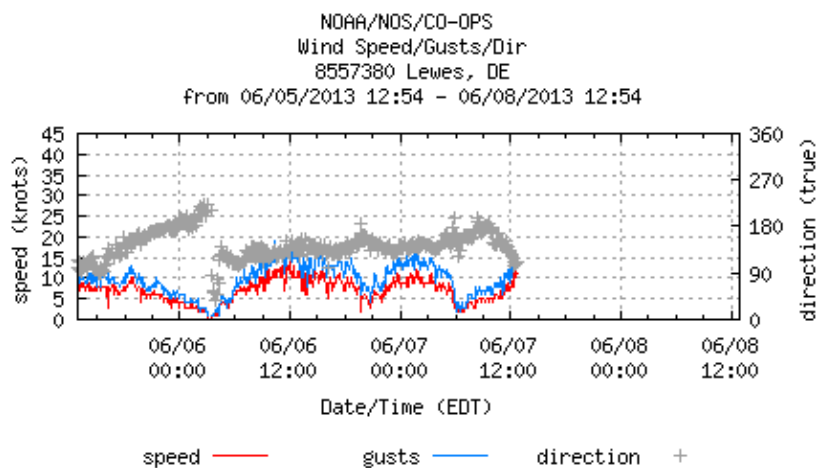


Last Observed Sample: 06/07/2013 12:48 (EDT)

Relative to MLLW: **Observed: 1.34 ft.** **Predicted: 0.88 ft.** **Residual: 0.46 ft.**

Historical Maximum Water Level: Mar 6 1962, 9.22 ft. above MLLW

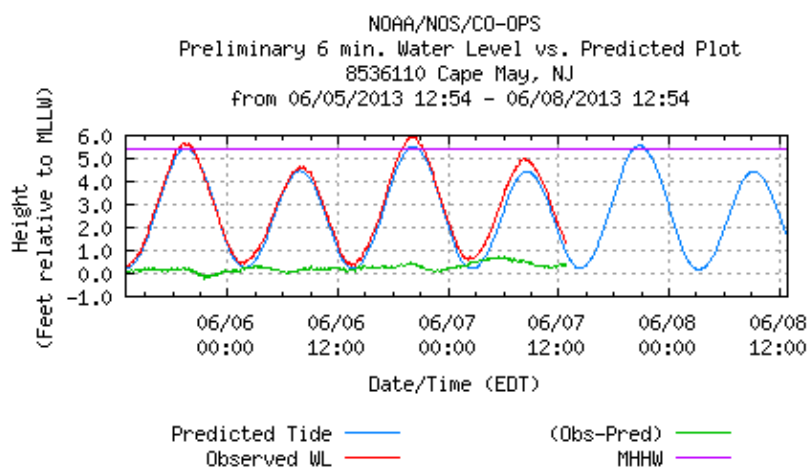
Lewes, DE - Return to List



Last Observed Sample: 06/07/2013 12:48 (EDT)

**Wind Speed: 12 knots** **Gusts: 14 knots** **Direction: 110° T**

Cape May, NJ - Return to List

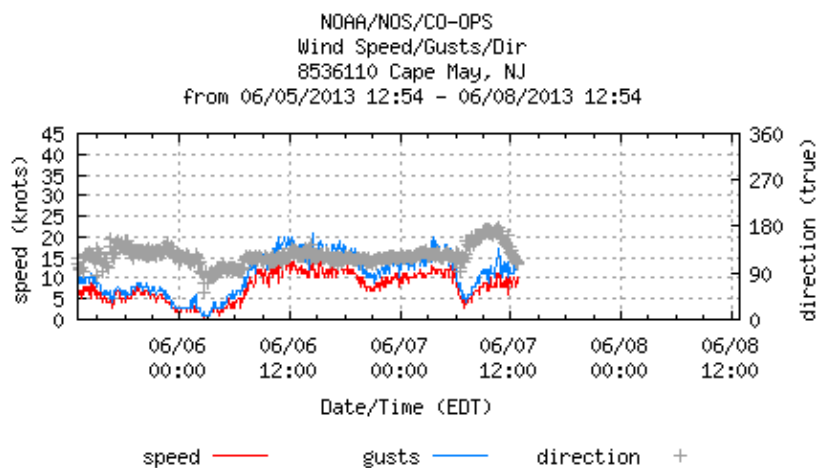


Last Observed Sample: 06/07/2013 12:54 (EDT)

Relative to MLLW: **Observed: 1.31 ft.** **Predicted: 0.85 ft.** **Residual: 0.46 ft.**

Historical Maximum Water Level: Oct 29 2012, 8.89 ft. above MLLW

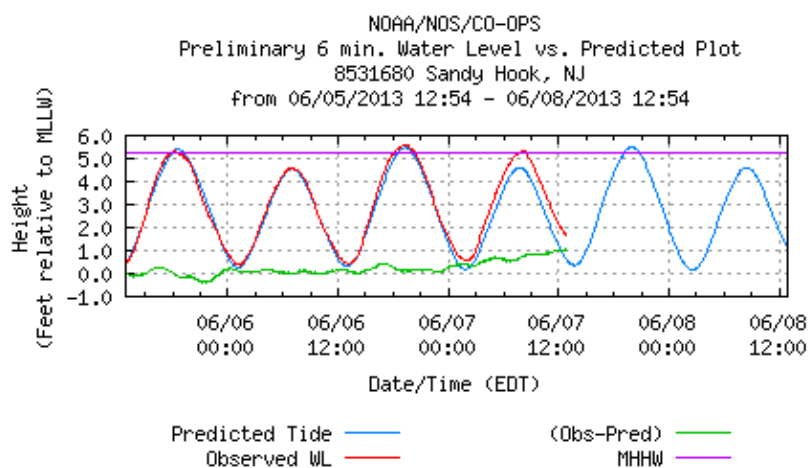
Cape May, NJ - Return to List



Last Observed Sample: 06/07/2013 12:54 (EDT)

**Wind Speed: 9 knots** **Gusts: 14 knots** **Direction: 109° T**

Sandy Hook, NJ - Return to List

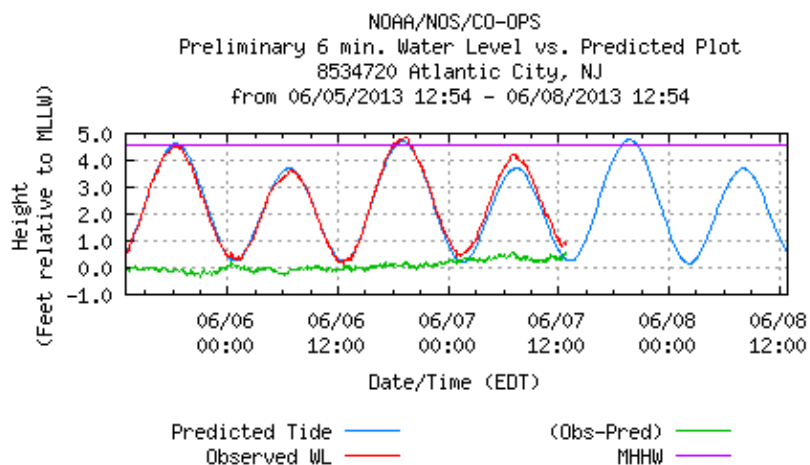


Last Observed Sample: 06/07/2013 12:54 (EDT)

Relative to MLLW: **Observed: 1.60 ft. Predicted: 0.58 ft. Residual: 1.02 ft.**

Historical Maximum Water Level: Sep 12 1960, 10.09 ft. above MLLW

Atlantic City, NJ - Return to List

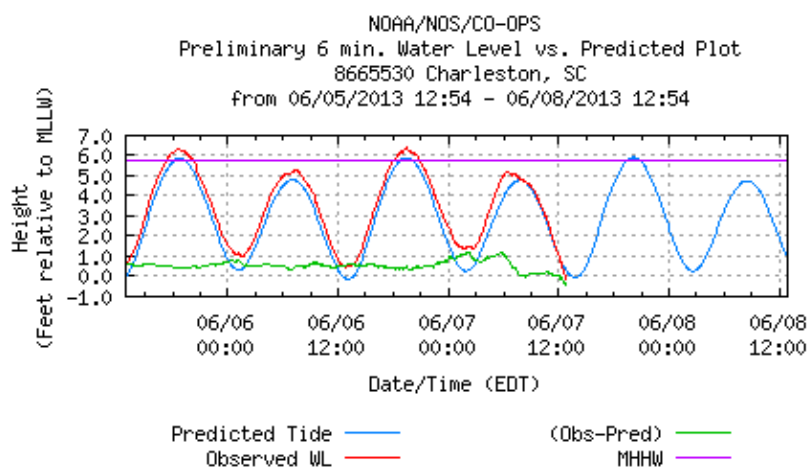


Last Observed Sample: 06/07/2013 12:54 (EDT)

Relative to MLLW: **Observed: 0.73 ft. Predicted: 0.30 ft. Residual: 0.43 ft.**

Historical Maximum Water Level: Dec 11 1992, 8.98 ft. above MLLW

Charleston, SC - Return to List

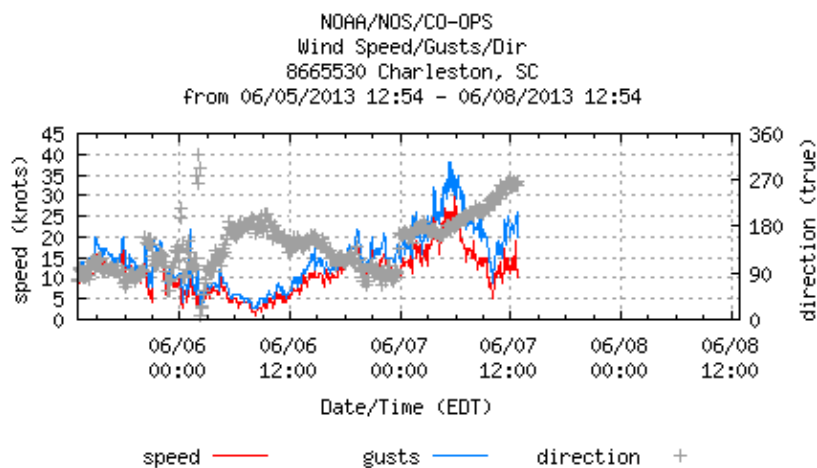


Last Observed Sample: 06/07/2013 12:48 (EDT)

Relative to MLLW: **Observed: -0.12 ft.** **Predicted: 0.31 ft.** **Residual: -0.43 ft.**

Historical Maximum Water Level: Sep 21 1989, 12.52 ft. above MLLW

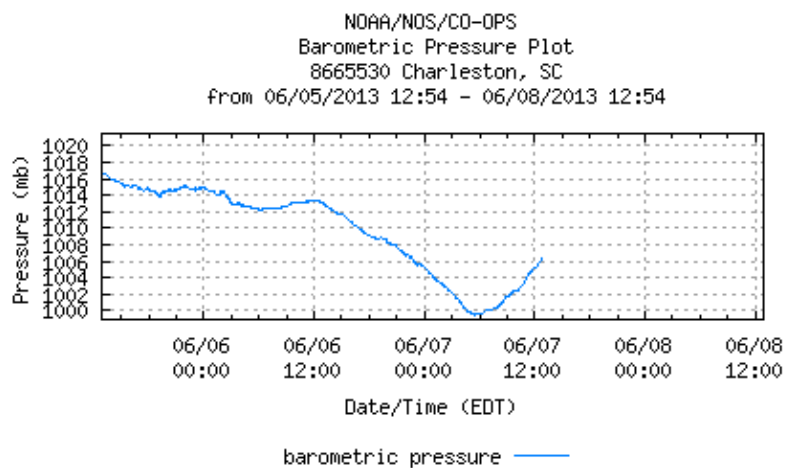
Charleston, SC - Return to List



Last Observed Sample: 06/07/2013 12:48 (EDT)

**Wind Speed: 12 knots** **Gusts: 20 knots** **Direction: 261° T**

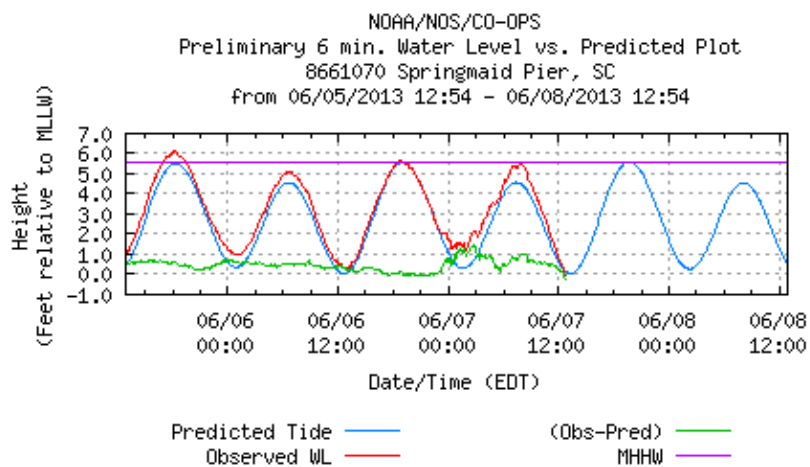
Charleston, SC - Return to List



Last Observed Sample: 06/07/2013 12:48 (EDT)

Barometric Pressure: 1006.3 mb

Springmaid Pier, SC - Return to List



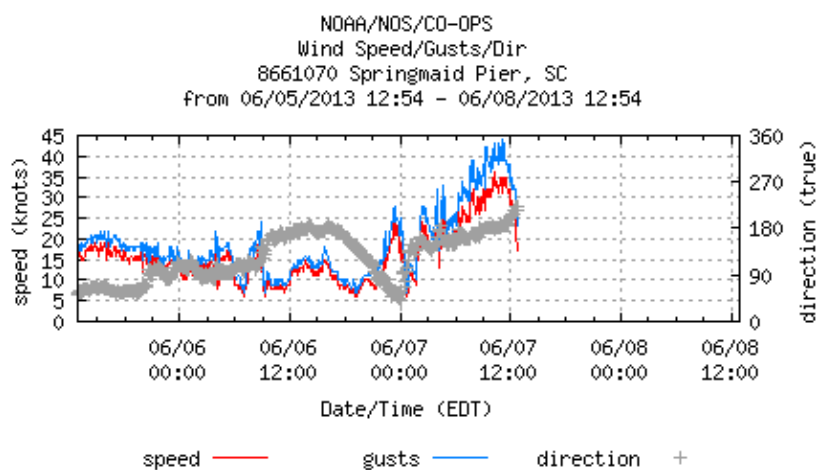
Last Observed Sample: 06/07/2013 12:54 (EDT)

Relative to MLLW: Observed: -0.13 ft. Predicted: 0.11 ft. Residual: -0.24 ft.

Historical Maximum Water Level: Jan 1 1987, 9.25 ft. above MLLW



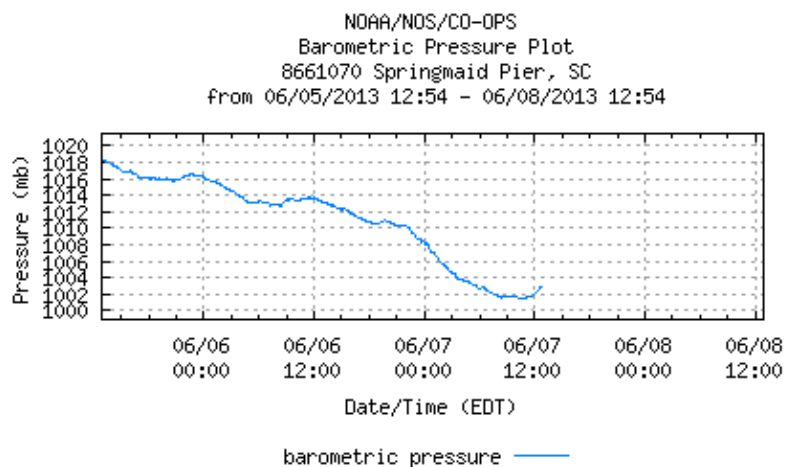
Springmaid Pier, SC - Return to List



Last Observed Sample: 06/07/2013 12:54 (EDT)

Wind Speed: 18 knots Gusts: 22 knots Direction: 221° T

Springmaid Pier, SC - Return to List



Last Observed Sample: 06/07/2013 12:54 (EDT)

Barometric Pressure: 1003.0 mb